Math Practice - Grade 6

M10 Dependent and independent variables - Name the dependent and independent quantities

M10 6.EE.C.9

Name: _____ Date: _____

Which quantity is independent, and which is dependent? Write both.

Example: Each bag holds 6 apples. Which quantity is independent, and which is dependent?

How: The independent quantity is the one you choose or that happens first. The dependent quantity changes because of it.

Each bag holds 6 apples.

Independent:	number of bags
Dependent:	total number of apples

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1 **A car drives at a steady speed of 65 miles per hour. Which quantity is independent, and which is dependent?**

A car drives at a steady speed of 65 miles per hour.

Independent:	
Dependent:	

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2 **Maya reads 3 pages every minute. Which quantity is independent, and which is dependent?**

Maya reads 3 pages every minute.

Independent:	
Dependent:	

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3 **A train travels at a steady speed of 40 miles per hour. Which quantity is independent, and which is dependent?**

A train travels at a steady speed of 40 miles per hour.

Independent:	
Dependent:	

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M10 Dependent and independent variables - Name the dependent and independent quantities

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Name: _____ Date: _____

Which quantity is independent, and which is dependent? Write both.

Example: A train travels at a steady speed of 40 miles per hour. Which quantity is independent, and which is dependent?

How: The independent quantity is the one you choose or that happens first. The dependent quantity changes because of it.

A train travels at a steady speed of 40 miles per hour.

Independent:	time in hours
Dependent:	distance in miles

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1 **Each bag holds 6 apples. Which quantity is independent, and which is dependent?**

Each bag holds 6 apples.

Independent:	
Dependent:	

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2 **A car drives at a steady speed of 65 miles per hour. Which quantity is independent, and which is dependent?**

A car drives at a steady speed of 65 miles per hour.

Independent:	
Dependent:	

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3 **Leo earns 15 every hour he works. Which quantity is independent, and which is dependent?**

Leo earns 15 every hour he works.

Independent:	
Dependent:	

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M10 Dependent and independent variables - Name the dependent and independent quantities

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Name: _____ Date: _____

Which quantity is independent, and which is dependent? Write both.

Example: Each ticket costs 8. Which quantity is independent, and which is dependent?

How: The independent quantity is the one you choose or that happens first. The dependent quantity changes because of it.

Each ticket costs 8.

Independent:	number of tickets
Dependent:	total cost

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1 **Maya reads 3 pages every minute. Which quantity is independent, and which is dependent?**

Maya reads 3 pages every minute.

Independent:	
Dependent:	

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2 **A car drives at a steady speed of 65 miles per hour. Which quantity is independent, and which is dependent?**

A car drives at a steady speed of 65 miles per hour.

Independent:	
Dependent:	

---

3 **Each bag holds 6 apples. Which quantity is independent, and which is dependent?**

Each bag holds 6 apples.

Independent:	
Dependent:	